2. (70 points) What are the outputs of the following program: (If your student number is even consider Static Scoping, otherwise consider Dynamic Scoping)

```javascript
function main() {
    function sub1() {
        var x = 6;
        sub2();
        println("Sub1: " + x);
    }
    function sub2() {
        var y = x;
        sub3();
        println("Sub2: " + x);
    }
    function sub3() {
        var y = x;
        println("Sub3: " + x);
    }
    var x = 5;
    sub1();
    sub3();
    println("Main: "+ x);
}
```

a) Static scoping
Sub3: 5
Sub2: 5
Sub1: 6
Sub3: 5
Main: 5

b) Dynamic scoping
Sub3: 6
Sub2: 6
Sub1: 6
Sub3: 5
Main: 5